

Membrane Chemical Compatibility

| Compatible= C | Limited= L | Not Compatible=N | No data= - | | | | |
|---------------------------------|------------|------------------|------------|-------------|-------------------|---------------|-----------------------|
| CHEMICAL | NYLON | PTFE | PVDF | POLYSULFONE | CELLULOSE ACETATE | POLYPROPYLENE | REGENERATED CELLULOSE |
| Acids | | | | | | | |
| Acetic, 25% | L | C | C | C | L | C | C |
| Acetic, Glacial | L | C | C | C | N | C | C |
| Formic, 25% | N | C | C | C | L | C | C |
| Hydrochloric, 25% | L | C | C | C | C | C | C |
| Hydrochloric, Concentrated | N | N | C | C | N | C | C |
| Sulfuric, 25% | N | C | C | C | N | C | C |
| Sulfuric, Concentrated | N | C | L | N | N | C | L |
| Nitric, 25% | N | C | L | L | L | C | C |
| Nitric, Concentrated | N | C | L | N | N | L | N |
| Phosphoric, 25% | N | C | C | C | C | C | C |
| Trichloroacetic, 10% | L | C | C | C | C | C | C |
| Bases | | | | | | | |
| Ammonium Hydroxide, 25% | C | C | L | C | C | C | - |
| Sodium Hydroxide, 3 Normal | C | C | C | C | N | C | - |
| Alcohols | | | | | | | |
| Amyl Alcohol | C | C | C | C | N | C | C |
| Benzyl Alcohol | C | C | C | N | L | C | C |
| Butyl Alcohol | C | C | C | C | C | C | C |
| Ethanol, 70% | C | C | C | C | C | C | C |
| Ethanol, 98% | C | C | C | C | C | C | C |
| Ethylene Glycol | C | C | C | C | C | C | C |
| Glycerine (Glycerol) | C | C | C | C | C | C | C |
| Isopropanol | C | C | C | C | C | C | C |
| Methanol, 98% | C | C | C | C | C | C | C |
| n-Propanol | C | C | C | C | C | C | C |
| Propylene Glycol | C | C | C | C | L | C | C |
| Hydrocarbons | | | | | | | |
| Benzene | C | C | C | N | C | N | C |
| Hexane, Xylene | C | C | C | N | C | L | C |
| Kerosene, Gasoline | C | C | C | L | C | L | C |
| Tetralin, Decalin | C | C | C | N | C | L | - |
| Toluene | C | C | C | N | C | L | C |
| Halogenated Hydrocarbons | | | | | | | |
| Carbon Tetrachloride | C | C | C | N | L | L | C |
| Chlorobenzene (Mono) | C | C | C | L | C | C | C |
| Chloroform | L | C | C | N | N | L | C |
| Freon | C | C | C | L | C | C | C |
| Methylene Chloride | L | C | C | N | N | L | C |
| Trichloroethane | C | C | C | N | L | L | C |
| Trichloroethylene | C | C | C | N | C | L | C |
| Ketones | | | | | | | |
| Acetone | C | C | N | N | N | C | C |
| Cyclohexanone | C | C | N | N | N | C | C |
| Isopropylacetone | C | C | N | N | C | - | - |
| Methyl Ethyl Ketone | C | C | L | N | L | C | C |
| Methyl Isobutyl Ketone (MIBK) | C | C | N | N | C | L | C |
| Esters | | | | | | | |
| 2-Ethoxyethyl Acetate | L | L | L | N | L | - | C |
| Amyl Acetate | C | C | C | N | L | L | C |
| Benzyl Benzoate | C | C | - | N | C | - | C |
| Butyl Acetate | C | C | C | N | L | L | C |
| Ethyl Acetate | C | C | C | N | N | L | C |
| Isopropyl Myristate | C | C | - | N | C | - | C |
| Methyl Acetate | L | C | L | N | N | L | C |
| Propyl Acetate | L | N | C | N | N | L | C |
| Propylene Glycol Acetate | L | C | - | N | N | C | C |
| Methyl Cellosolve Acetate | C | C | C | N | N | C | C |
| Tricresyl Phosphate | - | C | - | N | C | - | C |
| Oxides — Ethers | | | | | | | |
| Acetonitrile (Methyl Cyanide) | C | C | C | N | N | C | C |
| Aniline | L | C | C | N | N | L | C |
| Diethyl Acetamide | C | C | C | - | N | - | C |
| Dimethyl Formamide | C | C | N | N | N | C | L |
| Dimethyl Sulfoxide (DMSO) | L | C | C | N | N | C | L |
| Dioxane | C | C | L | N | N | C | L |
| Ethyl Ether | C | C | C | C | L | L | C |
| Isopropyl Ether | C | C | N | C | C | C | - |
| Pyridine | C | C | L | N | N | L | C |
| Solvents with Nitrogen | | | | | | | |
| Tetrahydrofuran | C | C | L | N | N | C | L |
| Triethanolamine | C | C | C | - | C | - | C |
| Miscellaneous | | | | | | | |
| Formaldehyde Solution, 30% | C | C | C | C | L | C | L |
| Hydrogen Peroxide, 30% | N | C | C | C | C | C | C |
| Phenol, Aqueous, 10% | N | C | L | N | N | C | C |
| Silicone Oil & Mineral Oil | C | C | C | C | C | C | C |